



**SUSTAINABILITY COMMISSION**  
**Standing Subcommittee on Solar and Green Building**  
**CITY OF PALM SPRINGS, CALIFORNIA**

[www.palmsprings-ca.gov](http://www.palmsprings-ca.gov)

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**January 5, 2021**  
**10:30 AM**

**REGULAR**  
**MEETING AGENDA**

Via Teleconference

Pursuant to Executive Order N-29-20, this meeting will be conducted by teleconference and there will be no in-person public access to the meeting location.

To view/listen/participate in the meeting live, please use the following link: <https://us02web.zoom.us/j/86112748904> / call +16699006833,,86112748904# - Meeting ID: 861 1274 8904

- Written public comment may also be submitted to [cityclerk@palmspringsca.gov](mailto:cityclerk@palmspringsca.gov). Transmittal prior to the meeting is required. Any correspondence received during or after the meeting will be distributed to the Board/Commission as soon as practicable and retained for the official record.
- The meeting will be recorded and the audio file will be available from the Office of the City Clerk and will be posted on the City's YouTube channel, as soon as practicable.

**COMMISSION STANDING SUBCOMMITTEE**

**David Freedman**

**Jim Flanagan**

Staff representatives: Patrick Tallarico, Manager, Office of Sustainability; Dan DeGarmo, Program Coordinator.

*City of Palm Springs Vision Statement: Palm Springs aspires to be a unique world-class desert community, where residents and visitors enjoy our high quality of life and a relaxing experience. We desire to balance our cultural and historical resources with responsible, sustainable economic growth and enhance our natural desert beauty. We are committed to providing responsive, friendly, and efficient customer service in an environment that fosters unity among all our citizens.*

Please **MUTE OR TURN OFF** all audible electronic devices for the duration of this meeting. Thank you!

**CALL TO ORDER**

**ROLL CALL**

**ACCEPTANCE OF AGENDA**

**PUBLIC COMMENTS:** This time is for members of the public to address the Sustainability Commission on Agenda items and items of general interest within the subject matter jurisdiction of the Commission. The Commission values your comments but, pursuant to the Brown Act, cannot take action on items not listed on the posted Agenda. Three (3) minutes are assigned for each speaker.

**A. Council Agenda Items –**

1. EV Charger Expansion Award
2. AB 1236 implementation

**B. GHG Inventory Update**

**C. California Energy Commission Proceedings**

**D. Sustainability Scholarship and Home Energy Assessment Rebates**

**E. Fees at Baristo Parking Structure**

**F. DCE Issues/Updates**

**G. Agenda Items for January Commission Meeting**

**H. ADJOURNMENT** - The meeting of the Sustainability Commission Solar and Green Building Subcommittee will adjourn to February 2, 2021, at 10:30 AM.

**Sustainability Commission Subcommittee on Solar and Green Building Regular Meeting Agenda  
January 5, 2021, 10:30 a.m. - Page 2**

It is the intention of the City of Palm Springs to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you need special assistance beyond what is normally provided, the City will attempt to accommodate you in every reasonable manner. Please contact the Office of the City Clerk at (760) 323-8204 at least 48 hours prior to the meeting to inform us of your needs and to determine if accommodation is feasible.

Pursuant to G.C. Section 54957.5(b)(2) the designated office for inspection of records in connection with the meeting is the Office of Sustainability, City Hall, 3200 E. Tahquitz Canyon Way, Palm Springs, CA 92262. Agenda and staff reports are available on the City's website [www.palmspringsca.gov](http://www.palmspringsca.gov). If you would like additional information on any item appearing on this agenda, please contact the Office of Sustainability at 760-323-8214.

AFFIDAVIT OF POSTING: I, Patrick Tallarico, Manager, Office of Sustainability of the City of Palm Springs, California, certify this Agenda was posted at or before 10:30 a.m. on Friday, January 8, 2020 as required by established policies and procedures.



Patrick Tallarico, Manager, Office of Sustainability



## MEMORANDUM

DATE: December 28, 2020

SUBJECT: California Energy Commission Proceedings

TO: Commissioner Flanagan, Solar and Green Building Committee Member  
Patrick Tallarico, Manager, Office of Sustainability

FROM: David Freedman, Solar and Green Building Committee Member

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The following is a summary of current California Energy Commission (CEC) proceedings that will affect future actions by the City of Palm Springs, both directly and indirectly through its participation in Desert Community Energy (DCE). These CEC proceedings establish a legal and policy framework for the City as it continues to advance its role as a sustainability leader and achieve the greenhouse gas (GHG) reduction goals of 40% below the 1990 baseline by 2030 and 80% below the 1990 baseline by 2050 set out in state law and the City's Sustainability Plan adopted by City Council in 2016.

### I. 2022 Energy Code

The Warren Alquist Act of 1974 directs the CEC to adopt and implement building energy efficiency standards and requires local building departments to enforce them through the permit process. The standards are codified as Title 24 Part 6 of the California Code of Regulations, known as the California Energy Code. The Energy Code is adopted in Palm Springs pursuant to PSMC Section 8.04.065.

Since 2013, the CEC has updated the Energy Code on a three-year cycle. The current 2019 Energy Code went into effect on January 1, 2020. The 2022 Energy Code will improve upon the 2019 Energy Code for newly constructed buildings, additions, and alterations. The CEC has held many workshops and taken public comment on the 2022 Energy Code throughout 2020. It expects to adopt the 2022 Energy Code at its July 2021 Business Meeting. The 2022 Energy Code will go into effect on January 1, 2023 for building permit applications submitted on or after that date. Just as it did via Ordinance 2008 adopting the 2019 Energy Code (together with the other 2019 state Building Standards Codes), City Council will adopt the 2022 Energy Code and the other 2022 codes via an ordinance to be approved in late 2022 or early 2023.

Based on the CEC's recent workshops, key measures expected in the 2022 Energy Code include:

- New residential buildings will need to satisfy an additional Energy Design Ratio standard that will encourage decarbonization by removing barriers to building electrification, but residential electrification will not be required in the 2022 Energy Code.
- There will be new residential mandatory battery storage ready requirements, with panel requirements to accommodate electric end-uses, solar PV, electric vehicles (EVs), and future battery storage installation, identification and isolation of emergency circuits, and compatibility

with both battery storage systems, bidirectional EVs, and backup generators to help with Public Safety Power Shutoff events. CEC staff estimates that making new residential buildings battery storage ready at the time of construction will cost only \$100-\$200 and reduce future battery storage installations by \$2,000 or more.

- There will be a restructuring of code provisions applicable to multifamily buildings. These provisions are the culmination of the CEC efforts to place a major new focus on multifamily buildings, including alignment of requirements for low-rise, mid-rise and high-rise buildings and relocation of multifamily requirements into their own chapters within the 2022 Energy Code.
- Electric space heating, along with solar PV and battery storage, will be required for new high-rise multifamily residences,<sup>1</sup> small offices, retail, educational facilities and warehouses. Under the 2019 Energy Code, only new low-rise residences must install solar PV, and there are no battery storage requirements.
- The 2019 Energy Code provisions allowing the solar PV requirement to be satisfied via a community solar system will be clarified. DCE may wish to explore a community solar project to satisfy its SB 100 requirements discussed below and provide an alternative to rooftop solar.

## II. Reach Codes

Parallel to the formal Energy Code proceedings, the CEC encourages local governments to adopt energy efficiency standards exceeding the Energy Code, known as Reach Codes. The CEC considers that these jurisdictions are living laboratories for a clean energy future, reduce state GHG emissions and lead from the grassroots. Local governments are required to apply to the CEC for approval prior to enforcement of such standards. The CEC must find that the local standards will require buildings to be designed to consume no more energy than permitted by the Energy Code, and the application must include the basis of the local government's determination that its standards are cost-effective. CEC staff reviews the application to confirm these criteria are met and makes a recommendation for CEC approval based on the findings.

To support the cost-effectiveness determination, the Codes and Standards Program consisting of representatives of investor-owned and municipal utilities under the auspices of the CEC has issued cost-effectiveness studies covering various new and existing building types, with data sets for each of the state's 16 Climate Zones. I represent Palm Springs on the Codes and Standards Reach Codes statewide working group and am a beta tester for the cost effectiveness app on its website, which helps local governments show their Reach Codes are cost effective, as required by the CEC.

To date the CEC has approved 33 Reach Code ordinances from 29 jurisdictions exceeding the 2019 Energy Code standards and posted five more ordinances for public comment and approval at its January 25 Business Meeting. The latest matrix is included as an attachment to this memo. Most of the ordinances are from Bay Area local governments and require new buildings to be all-electric or more energy efficient than required by Code. However, the Southern California cities of Carlsbad, Chula Vista, Ojai, Santa Monica, and West Hollywood have also adopted Reach Codes.

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<sup>1</sup> The 2019 Energy Code defines high-rise residential buildings as having four or more habitable stories; this definition is expected to carry over in the 2022 Energy Code. The downtown residential building proposed by GRIT Development for the former Virgin Hotel site, scheduled to be considered by City Council at its January 14 meeting, has six floors and would be subject to the 2022 Energy Code if the project is approved by Council and the building permit application is submitted on or after January 1, 2023.

As noted in the staff report accompanying the Planning Commission's consideration of the project at its December 9 meeting, the project is subject to the Downtown Palm Springs Specific Plan, adopted by City Council on April 20, 2016. As set out on Page III-37 of the Specific Plan, projects approved after the adoption of the 2016 Specific Plan amendment must be consistent with the City's Green Building Program "Tree Level" in effect at the time of issuance of the building permit.

City Council adopted the Green Building Program, which was developed by CVAG under of grant from Southern California Edison, at its meeting of September 19, 2012. Under the Green Building Program Manual, "Tree Level" requires projects to exceed Energy Code requirements by at least 15%, plus include additional sustainability measures from the Program Manual. If the project is approved by Council, Planning Division staff may wish to discuss the project's green building requirements with GRIT Development. There is no mention of them in the Planning Commission staff report, and Condition of Approval BLD 2 only requires complying with the latest adopted edition of the Building Standards Codes. One alternative could be for the project to apply the 2022 Energy Code standards if the building permit is submitted prior to the Code's effective date of January 1, 2023.

The Carlsbad and Chula Vista ordinances require certain residential remodels to carry out energy efficiency upgrades when such measures are not already triggered by Energy Code requirements.

The draft Climate Action Roadmap staff report notes that the Solar and Green Building Committee has identified several Reach Code measures having the least incremental cost and / or the highest benefit / cost ratio that were recently adopted by many other California cities and counties and its recommendation of these measures for further prioritized research and stakeholder outreach, pending direction from City Council.

### III. SB 49 (Flexible Demand Appliance Standards)

SB 49 gives the CEC the authority to set flexible demand appliance standards and labeling requirements. Flexible demand is a load-management strategy that allows a shift in the timing of electricity consumption through market price signals and appliance automation.

Flexible demand may be implemented through already existing technology and infrastructure. Automated metering infrastructure (AMI) is widely available within California. When AMI is paired with time-varying rate structures, customers would receive benefits by shifting appliance loads to off-peak times. There are many examples of appliances that may be shifted to avoid peak load prices including pool pumps, space heating, ventilation and air-conditioning equipment, refrigeration, electric vehicle service equipment, electric clothes dryers, dishwashers, and electric heat pump hot water storage tank heaters (HPWHs).

The CEC expects to initiate formal rulemaking in Q4 2021 and adopt the initial standards in Q3 2022. They would become effective in Q3 2023. In the meantime, HPWHs that are likely to satisfy the CEC standards are already available in the market. Through a program sponsored by Southern California Edison (SCE) also available to Palm Springs residents receiving electricity provided by DCE, up to a \$1,000 discount may be available on a residential HPWH with a high Uniform Energy Factor. California tax credits may be available for residential energy efficiency equipment including most ENERGY STAR® certified Electric HPWHs. As part of its energy conservation efforts, DCE could promote HPWH installation in new and retrofitted residences and consider providing financial incentives in addition to SCE's after establishing sufficient reserves to implement community benefit programs. Commercial HPWHs are also available and would be eligible for a rebate of up to \$750 under the City's new Sustainability Scholarship.

### IV. SB 100 (100 Percent Clean Energy Act of 2018)

The 100 Percent Clean Energy Act of 2018 is a landmark policy that establishes a target for renewable and zero-carbon resources to supply 100 percent of retail sales and electricity procured to serve all state agencies by 2045. The bill also increases the state's Renewables Portfolio Standard (RPS) to 60 percent of retail sales by December 31, 2030 and requires all state agencies to incorporate these targets into their relevant planning. DCE has already begun implementing SB 100 through the recently approved contracts to purchase wind energy from three turbine projects located within the Palm Springs City limits.

The statute calls upon the CEC, California Public Utilities Commission (CPUC) and California Air Resources Board (CARB) to use programs under existing statutes to achieve this policy and issue a joint report on the policy to the Legislature by January 1, 2021, and every four years thereafter. The three agencies issued a draft report and held a workshop in early December, and the initial final report will be issued at the beginning of 2021.

The draft 2021 SB 100 Joint Agency Report includes a review of the policy to provide 100 percent of electricity retail sales and state loads from renewable and zero-carbon resources in California by 2045. The report assesses various pathways to achieve the target and an initial assessment of costs and benefits. It includes results from capacity expansion modeling and recommends further

analysis and actions by the joint agencies. The report provides a useful roadmap to DCE as it works towards the 2030 and 2045 RPS targets.

Key takeaways from the modeling presented at the workshop are as follows:

- SB 100 is achievable and there are multiple pathways to reach the 100 percent clean electricity target.
- Sustained record setting build rates will be required to meet SB 100 in a high electrification future.
- Goals beyond SB 100 may be achievable but require additional analysis.
- Current SB 100 analysis is directional and further analysis is necessary.

One of the draft report's recommendations is to define and include social costs and non-energy benefits (NEBs) in future analyses. In a public comment filing following the workshop, a coalition of environmental justice organizations strongly criticized the joint agencies for not already having done that analysis, even though SB 100 requires the joint agencies to "tak[e] into full consideration the economic and environmental costs and benefits of renewable energy and zero-carbon resources."

In the absence of an analysis of social costs and NEBs in the 2021 SB 100 Joint Agency Report, DCE and its Community Advisory Committee should continue to consider these factors in DCE's implementation of SB 100 and development of other programs, in anticipation of this analysis being developed in subsequent iterations of the Joint Agency Report and a research proposal recently issued by CARB. This consideration already occurred in the selection of the wind energy projects, which will lead to new jobs in Palm Springs and have limited negative environmental effects, as the projects are in an area with many other wind projects.

#### V. SB 1477 (Building Initiative for Low-Emissions Development (BUILD) Program)

Pursuant to SB 1477, the CEC is receiving an allocation of \$80 million in cap-and-trade funds to incentivize the installation of near-zero emission building technologies in new low-income residential buildings that reduce GHG emissions significantly beyond what otherwise would be expected to result from the California Energy Code. Nealy half the \$80 million allocation is reserved for the Southern California Gas service area, which includes Palm Springs.

Based on the eligibility criteria set out in the CEC's revised implementation plan, the Desert AIDS Project (DAP) low-income housing complex City Council approved at its December 10 meeting would be eligible for the BUILD program, assuming at least 80 percent of the households living in the building have incomes at or below 60 percent of the area median income. The West Hollywood Community Housing Corporation project now scheduled to be heard by the Planning Commission at its January 13 meeting and by City Council the following evening would also be eligible for the BUILD Program if the residents meet the income test.

The buildings would need to be all-electric and have no hookup to the gas distribution grid. Although the incentive structure has not been set, there will be a specific amount set per bedroom, as well as additional kicker incentives for energy efficient electric appliances. These incentives are in addition to the cost savings for both owners and tenants from an all-electric building, as demonstrated in the cost-effectiveness studies prepared as part of the Reach Codes effort described above. Indeed, SB 1477 directs the CPUC, in supervising the administration of the BUILD Program, to ensure that projects funded in new low-income residential buildings located in disadvantaged or low-income communities do not result in higher utility bills for building occupants.

The \$80 million program budget also includes \$10 million to provide design assistance to project owners and developers to explore project designs and overcome any technical challenges encountered in developing an all-electric residential project. With the assistance of the technical assistance provider, prospective program participants will submit a program application and

supporting documentation during the design stage before construction, signaling a commitment to build all-electric housing consistent with the goals and requirements of the BUILD Program.

The CEC is scheduled to launch the BUILD program in Q2 2021. The CEC will allocate funding on a first-come, first-served basis for applications that meet all program and eligibility requirements. I have shared BUILD Program information with Commissioner Baker, who is DAP's Director of Legal & Legislative Affairs. Commissioner Baker advised that he has notified West Hollywood Community Housing Corporation of the BUILD Program.

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
Berkeley	EE	12/3/2019	2/20/2020	<u>New:</u> All-electric <b>OR</b> Mixed Fuel, Total EDR margin $\geq$ 10 <b>AND</b> electric-ready	<u>New HRR/Hotel:</u> All-electric <b>OR</b> Mixed-Fuel and >10% compliance margin	<u>New:</u> All-electric <b>OR</b> Mixed-Fuel: 10% compliance margin <b>AND</b> electric-ready Exception: Labs, industrial, manufacturing occupancies	2019 LR Res NC / 2019 Non Res NC	19.36.040	<a href="#">Ord. No 7.678-N.S.</a>
	PV	12/3/2019	2/20/2020	N/A	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10		19.36.100.3	
Brisbane	PV	12/12/2019	2/20/2020	N/A (see All-electric sheet)	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft <b>OR</b> Solar thermal	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft <b>OR</b> Solar thermal	2019 LR Res NC / 2019 Non Res NC	15.81.050	<a href="#">Ord. No. 643</a>
Burlingame	PV	8/17/2020	10/14/2020	N/A (see All-electric sheet)	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal > 40 sq.ft. collector area	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal > 40 sq.ft. collector area	2019 LR Res NC / 2019 Non Res NC	110.0	<a href="#">Ordinances 1979, 1980, 1981</a>
Carlsbad	EE	3/12/2019	8/14/2019	<u>New:</u> HPWH <b>OR</b> solar thermal <u>Adds/Alts:</u> > \$60k: Presc. measures	<u>New:</u> HPWH <b>OR</b> increased solar fraction	<u>New:</u> Electric water heating <b>OR</b> solar thermal > 0.4 SF	<a href="#">Carlsbad Energy Conservation Ordinance CE Study</a>	18.30.170	<a href="#">Ord. No. CS-348</a>
	PV	3/12/2019	8/14/2019	N/A	<u>New/Alt:</u> 15 kW per 10,000 s.f.; min 5kW for < 10,000 s.f.	<u>New/Alt:</u> PV that offsets 80%; 15 kW per 10,000 s.f.; min 5kW for < 10,000 s.f.	<a href="#">2016 NR New Construction</a>	18.30.130	<a href="#">Ord. No. CS-347</a>
Davis	EE	10/8/2019	1/22/2020	<u>New SF:</u> All-electric <b>OR</b> Mixed Fuel, EDR margin of 9.5; <u>New LR MF:</u> Mixed fuel, EDR margin of 10; electric-ready	N/A	N/A	2019 LR Res New Construction	<a href="#">8.01.092</a>	<a href="#">Ord. No. 2565</a>



### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
East Palo Alto	PV	10/20/2020	12/9/2020	N/A (see All-electric sheet)	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	2019 LR Res NC / 2019 Non Res NC		<a href="#">Ord. No. 07-2020</a>
Hayward	EE	3/17/2020	6/10/2020	N/A (see All-electric sheet)	<u>New:</u> All-electric <b>OR</b> 10% compliance margin	<u>New:</u> All-electric <b>OR</b> 10% compliance margin (15% for Office/Retail)	2019 LR Res NC / 2019 Non Res NC	<a href="#">9-1.02</a>	<a href="#">Ord. No. 20-05</a>
	PV	3/17/2020	6/10/2020	N/A (see All-electric sheet)	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10			
Los Angeles County	EE	11/26/2019	4/8/2020	<u>New and Re-roof:</u> Low-slope Aged Refl. $\geq 0.65$ , TE $\geq 0.85$ , SRI $\geq 78$ Steep-slope: Aged Refl. $\geq 0.25$ , TE $> 0.85$ , SRI $\geq 20$	<u>New and Re-roof:</u> Low-slope Aged Refl. $\geq 0.65$ , TE $\geq 0.75$ , SRI $\geq 78$ Steep-slope: Aged Refl. $\geq 0.25$ , TE $> 0.75$ , SRI $\geq 20$	<u>New and Re-roof:</u> Low-slope Aged Refl. $\geq 0.68$ , TE $\geq 0.85$ , SRI $\geq 82$ Steep-slope: Aged Refl. $\geq 0.28$ , TE $> 0.85$ , SRI $\geq 27$	2016 Cool Roofs	Title 31	<a href="#">Ord No. 2019-0061</a>
Marin County	EE	10/8/2019	12/11/2019	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel prewire for induction, EE EDR Margin $\geq 3$ <b>OR</b> Mixed-Fuel, pre-wire for induction, EE EDR Margin $\geq 3$ and Total EDR Margin $\geq 10$	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: 5% compliance margin, prewired for induction <b>OR</b> Mixed-Fuel: 10% compliance margin, pre-wired for induction	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: 5% compliance margin, prewired for induction <b>OR</b> Mixed-Fuel: 10% compliance margin, pre-wired for induction	2019 LR Res NC / 2019 Non Res NC	<a href="#">19.04 Subchapter 2 - Green Building Requirements</a>	<a href="#">Ord. No. 3712</a>
	EV	10/8/2019	12/11/2019	<u>New SF:</u> Requires service panel capacity for Level 2 EV charging (240v) <u>New MF:</u> 1 EV charging space per dwelling unit	<u>New:</u> EV charging space per unit. <u>Add/Alt:</u> requirements	10% of spaces EV-Ready and build the remaining spaces to be EV Capable <b>OR</b> Build 20% of spaces to be EV-Ready and install EV Chargers in 5% of spaces <u>Add/Alt</u> requirements			

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
Menlo Park	PV	9/24/2019	12/11/2019	<u>N/A</u> (see All-electric sheet)	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. (some exceptions)	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. (some exceptions)	2019 LR Res NC / 2019 Non Res NC	<a href="#">12.16.110.10</a>	<a href="#">Ord. No. 1057</a>
Millbrae	PV	11/10/2020		<u>N/A</u> (see All-electric sheet)	<u>New:</u> PV on 50% of roof area	<u>New:</u> PV on 50% of roof area	2020 LR Res NC / 2019 Non Res NC	Section 140.0	<a href="#">Ord. No. 2020-</a>
Mill Valley	EE	11/18/2019	4/8/2020	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: prewire for induction, with EE EDR Margin $\geq 3$ <b>OR</b> Mixed-Fuel, pre-wire for induction, EE EDR Margin $\geq 3$ and Total EDR Margin $\geq 10$	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: 5% compliance margin, prewired for induction <b>OR</b> Mixed-Fuel: 10% compliance margin, pre-wired for induction	N/A	2019 LR Res NC / 2019 Non Res NC	Chapter 14.48	<a href="#">Ord. No. 1313</a>
Milpitas	EE	12/3/2019	2/20/2020	<u>New:</u> All-electric <b>OR</b> Elec. Space and Water Heat: Eff. EDR Margin of 2 for SF and 1 for MF Mixed-Fuel: Total EDR Margin of 10 for SF and 11 for MF; <b>AND</b> electric-ready	<u>New HR MF/ Hotel:</u> All-electric <b>OR</b> > 6% compliance magin <b>AND</b> electric-ready	<u>New:</u> All-electric <b>OR</b> Office & Retail: >14% compliance margin; Industrial/ Manufacturing + 0%; All other NR occupancies > 6% compliance margin; <b>AND</b> electric-ready	2019 LR Res NC / 2019 Non Res NC	Chapter 11.2.02	<a href="#">Ord. No. 65 148</a>
	PV	12/3/2019	2/20/2020	N/A	N/A	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft.		Chapter 11.2.02	

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
Mountain View	PV	11/12/2019	2/20/2020	N/A (see All-electric sheet)	<u>New</u> : PV on 50% of roof area	<u>New</u> : PV on 50% of roof area	2019 LR Res NC / 2019 Non Res NC	SEC. 8.20	<a href="#">Ord. No. 17.19</a>
	EV	11/12/2019	2/20/2020	<u>New</u> : Level 1 circuit + Level 2 EV-Ready	<u>New Multi-Unit/ Mixed Use</u> : 15% EV2 installed + 85% EV-Ready + Level 3 for every 100 spaces	<u>New + Hotel/Motel</u> : installed per CALGreen Tier 2 (Table A5.106.5.3.2)		SEC. 8.20	<a href="#">Ord. No. 17.19</a>
Pacifica	PV	11/25/2019	4/8/2020	N/A (see All-electric sheet)	<u>New</u> : PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft.	<u>New</u> : PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft.	2019 LR Res NC / 2019 Non Res NC	Section 8-6.01	<a href="#">Ord. No. 852-CS</a>
Palo Alto	EE	12/2/2019	2/20/2020	N/A (see All-electric sheet)	<u>New</u> : All-electric OR > 5% compliance margin AND electric-ready	<u>New</u> : All-electric <b>OR</b> Office & Retail: >12% compliance margin; Industrial/ Manufacturing + 0%; All other NR occupancies > 5% compliance margin; <b>AND</b> electric-ready	2019 LR Res NC / 2019 Non Res NC	Chapter 16.17.80	<a href="#">Ord. No. 5485</a>
	PV	12/2/2019	2/20/2020	N/A	<u>New</u> : PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	<u>New</u> : PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10		Chaprer 16.17.70	
Redwood City	PV	9/21/2020	12/9/2020	N/A (see All-electric sheet)	<u>New</u> : PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. <u>Alternative</u> : Solar thermal > 40 sq.ft. collector area (some exceptions)	<u>New</u> : PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. <u>Alternative</u> : Solar thermal > 40 sq.ft. collector area (some exceptions)	2019 LR Res NC / 2019 Non Res NC	Section 9.255	<a href="#">Ord. No.</a>

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
Richmond	PV	3/3/2020	6/10/2020	N/A (see All-electric sheet)	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal ≥ 40 sq.ft. collector area	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal ≥ 40 sq.ft. collector area	2019 LR Res NC / 2019 Non Res NC	Chapter 6.02.100	<a href="#">Ord No. 06-20 NS</a>
San Anselmo	EE	4/14/2020	9/9/2020	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel prewire for induction, EE EDR Margin ≥ 3 <b>OR</b> Mixed-Fuel, pre-wire for induction, EE EDR Margin ≥ 3 and Total EDR Margin ≥ 10	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: 5% compliance margin, prewired for induction <b>OR</b> Mixed-Fuel: 10% compliance margin, pre-wired for induction	<u>New:</u> All-electric <b>OR</b> Limited Mixed-Fuel: 5% compliance margin, prewired for induction <b>OR</b> Mixed-Fuel: 10% compliance margin, pre-wired for induction	2019 LR Res NC / 2019 Non Res NC	Section 9-19.040	<a href="#">Ord. No. 1145</a>
	EV	4/14/2020	9/9/2020	<u>New SF:</u> Requires service panel capacity for Level 2 EV charging (240v) <u>New MF:</u> 1 EV charging space per dwelling unit	<u>New:</u> EV charging space per unit. <u>Add/Alt</u> requirements	10% of spaces EV-Ready and build the remaining spaces to be EV Capable <b>OR</b> Build 20% of spaces to be EV-Ready and install EV Chargers in 5% of spaces <u>Add/Alt</u> requirements		Section 9-19.020	<a href="#">Ord. No. 1145</a>
San Francisco	EE	1/7/2020	4/8/2020	<u>New:</u> All-electric <b>OR</b> Mixed Fuel- Total EDR Score ≤ 14	<u>New HRR/Hotel:</u> All-electric <b>OR</b> Mixed-Fuel and >10% compliance margin	-	2019 LR Res NC / 2019 Non Res NC	Section 4.201.3 Section 5.201.3	<a href="#">Ord. No 003-20</a>

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
San Jose	EE	10/1/2019	12/11/2019	N/A <b>(see All-electric sheet)</b>	<u>New HR MF/ Hotel:</u> All-electric <b>OR</b> > 6% compliance margin and electric-ready	<u>New:</u> All-electric <b>OR</b> Office & Retail: >14% compliance margin; Industrial/ Manufacturing + 0%; All other NR occupancies > 6% compliance margin; and electric-ready	2019 LR Res NC / 2019 Non Res NC	<a href="#">24.12.100</a>	<a href="#">Ord. No. 30311</a>
	EV	10/1/2019	12/11/2019	<u>New:</u> EV charging readiness and/or electric vehicle service equipment (EVSE)	<u>New:</u> EV charging readiness and/or electric vehicle service equipment (EVSE)	<u>New:</u> EV charging readiness and/or electric vehicle service equipment (EVSE)		24.10.200	<a href="#">Ord. No. 30311</a>
San Luis Obispo	EE	7/7/2020	8/11/2020	<u>New SF:</u> All-electric <b>OR</b> Mixed Fuel, EDR margin of 9; <u>New LR MF:</u> Mixed fuel, EDR margin of 9.5 AND electric-ready	<u>New:</u> All-electric <b>OR</b> Hotel/HRR > 9% compliance margin; <b>AND</b> electric-ready	<u>New:</u> All-electric <b>OR</b> Office/Retail 15% compliance margin, Others 5% compliance margin <b>AND</b> electric ready	2019 LR Res NC / 2019 Non Res NC	Chapter 15.50	<a href="#">Ord. No. 1684</a>
	PV	7/7/2020	8/11/2020	N/A	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10	<u>New:</u> PV system to fill solar zone (>15% of roof area) as defined in Sec. 110.10		Chapter 15.04.110	<a href="#">Ord. No. 1684</a>
San Mateo (City)	EE			<b>(see All-electric sheet)</b> <u>New SF and Duplexes:</u> All-electric <b>OR</b> min Eff. EDR reduction of 2.5	N/A	<b>(see All-electric sheet)</b> <u>New Office Buildings:</u> All-electric <b>OR</b> Mixed-Fuel + 10% compliance margin	2019 LR Res NC / 2019 Non Res NC	23.23.040	<a href="#">Ord. No. 2019-9</a>
		9/3/2019	12/11/2019						
	PV			Prewire PV system for expansion to all-electric design	<u>New:</u> PV: ≥ 3 kW. Alternative: Solar thermal ≥ 40 sq ft collector area	<u>New:</u> <10,000 s.f.: min. 3 kW PV; 10,000+ s.f.: 5 kW PV Alternative: Solar thermal ≥ 40 s.f. collector area	2019 LR Res NC / 2019 Non Res NC	23.24.030	<a href="#">Ord. No. 2019-9</a>
EE	10/5/2020	12/9/2020	<b>(see All-electric sheet)</b> <u>New 100% Affordable LR MF:</u> All-electric <b>OR</b> at least .5 EDR less than Standard Design <b>OR</b> Prescriptive measures	<u>New 100% Affordable HR MF:</u> All-electric <b>OR</b> >5% compliance margin <b>OR</b> Prescriptive measures	<b>(see All-electric sheet)</b>	2020 LR Res NC / 2019 Non Res NC	23.24.020	<a href="#">Ord. No. 2020-17</a>	

### 2019 Code Cycle - Locally Adopted Energy Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Single Family and Low-rise Multifamily Requirement	High-rise Multifamily Requirement	Nonresidential Requirement	Cost-effectiveness Study	Municipal Code Link	Ordinance
San Rafael	EE	11/18/2019	4/8/2020	<u>New:</u> CALGreen Tier 1: Mixed fuel, EDR ≥ 10, All-elec EDR ≥ 14	<u>New:</u> CALGreen Tier 1 (5% compliance margin)	<u>New:</u> CALGreen Tier 1 (10% compliance margin)	2019 LR Res NC / 2019 Non Res NC	Chapter 12.100	<a href="#">Ord. No. 1974</a>
Santa Monica	EE	9/24/2019	12/11/2019	<u>New:</u> All-electric <b>OR</b> Mixed-Fuel with CalGreen Tier 1	<u>New HRR/Hotel:</u> All-electric <b>OR</b> Mixed-Fuel and >5% compliance margin	<u>New:</u> All-electric <b>OR</b> Mixed-Fuel and >10% compliance margin	2019 LR Res NC / 2019 Non Res NC	<a href="#">8.36.020</a>	<a href="#">Ord. No. 2617</a>
	PV			<u>Major Additions:</u> PV system 1.5 watts per sq. ft.	<u>New and Major Additions:</u> 2 watts per sq. ft.	<u>New and Major Additions:</u> 2 watts per sq. ft.	2019 LR Res NC: PV + Additions Addendum	<a href="#">8.106.055</a>	<a href="#">Ord. No. 2617</a>
Sunnyvale	PV	12/1/2020		N/A <b>(see All-electric sheet)</b>	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal ≥ 40 sq.ft. collector area	<u>New:</u> PV of 3 kW min. for < 10,000 sq. ft. and 5 kW min. for > 10,000 sq. ft. Alternative: Solar thermal ≥ 40 sq.ft. collector area	2019 LR Res NC / 2019 Non Res NC	Section 16.42.090	<a href="#">Ord. No. 3168-20</a>
West Hollywood	EE, Cool Roofs	8/19/2019	12/11/2019	<u>New or Alteration</u> > 10,000 sq. ft.: PV to offset 15% of usage <b>OR</b> solar thermal with min. .5 solar fraction <b>OR</b> vegetative roof covering min. 30%	<u>New or Alteration</u> > 10,000 sq. ft.: PV to offset 15% of usage <b>OR</b> solar thermal with min. .5 solar fraction <b>OR</b> vegetative roof covering min. 30%	<u>New or Alteration</u> > 10,000 sq. ft.: PV to offset 15% of usage <b>OR</b> solar thermal with min. .5 solar fraction <b>OR</b> vegetative roof covering min. 30%	2019 NR+ Retrofits PV / 2019 Non Res NC	19.20.060	<a href="#">Ord. No. 19-1072</a>

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## 2019 Code Cycle - Locally Adopted All-Electric Only Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Scope			Municipal Code Link	Ordinance
				Single Family and Low-rise Multifamily	High-rise Multifamily	Nonresidential		
Berkeley	All-Electric	7/16/2019	N/A	New	New	New	Chapter 12.80	<a href="#">Ord. No. 7,672-N.S</a>
Brisbane	All-Electric	12/12/2019	2/20/2020	<u>New</u> : Exception for cooktops/fireplaces; pre-wire for electric	<u>New</u> : All-electric	<u>New</u> : Except Life science occupancies and gas specific for profit kitchen	15.83.060	<a href="#">Ord. No. 643</a>
Burlingame	All-Electric	8/17/2020	10/14/2020	<u>New</u> : Exception for indoor/outdoor cooking appliances and fireplaces; pre-wire for electric. <u>Adds/Alts</u> : > 50% valuation when HVAC included	<u>New</u> : All-electric	<u>New</u> : Exception for-profit kitchen cooking equipment; pre-wire for electric	110.0	<a href="#">Ordinances 1979, 1980, 1981</a>
Campbell	All-Electric	2/18/2020	N/A	<u>New</u> : All-electric space/water heating. Natural gas OK for other uses; pre-wire for electric	N/A	N/A	18.18.020	<a href="#">Ord. No 2,260</a>
Cupertino	All-Electric	1/21/2020	4/8/2020	<u>New</u> : All-electric (excluding ADUs)	<u>New</u> : All-electric	<u>New</u> : Exception for Fire, High-Hazard, Laboratory, and "Essential Facilities" occupancies; pre-wire for electric	16.54.100	<a href="#">Ord. No. 19-2193</a>
East Palo Alto	All-Electric	10/20/2020	12/9/2020	<u>New</u> : Exception for ADUs; and cooktops/fireplaces; pre-wire for electric	<u>New</u> : Exceptions cooktops/fireplaces, gas water-heating for affordable housing; pre-wire for electric	<u>New</u> : Exception for Life Science buildings, Emergency operations, and for-profit cooking; pre-wire for electric	Chapter 15.25	<a href="#">Ord. No 07-2020</a>
Hayward	All-Electric	3/17/2020	6/10/2020	<u>New</u> : All-electric (including ADUs > 400 sq. ft.)	<u>New</u> : All-electric OR 10% compliance margin	<u>New</u> : All-electric OR 10% compliance margin (15% for Office/Retail)	<a href="#">9-1.02</a>	<a href="#">Ord. No. 20-05</a>
Healdsburg	All-Electric	12/16/2019	2/20/2020	<u>New</u> : Exception for cooktops, fireplaces, pool/spa; pre-wire for electric	<u>New</u> : Exception for cooktops, fireplaces, pool/spa; pre-wire for electric	<u>New</u> : Exception for cooktops, fireplaces, pool/spa, Essential Services, technical processes; pre-wire for electric	Section 15.04	<a href="#">Ord. No. 1196</a>

## 2019 Code Cycle - Locally Adopted All-Electric Only Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Scope			Municipal Code Link	Ordinance
				Single Family and Low-rise Multifamily	High-rise Multifamily	Nonresidential		
Los Altos Hills	All-Electric	2/20/2020	12/9/2020	<u>New</u> : All-electric space/water heating (including ADUs). Natural gas OK for other uses; pre-wire for electric	N/A	N/A	Chapter 1.6	<a href="#">Ord. No. 589</a>
Los Altos	All-Electric	11/10/2020		<u>New</u> : Exception for cooktops/fireplaces; pre-wire for electric	<u>New</u> : All-electric for developments > 10 units	<u>New</u> : Exception for Scientific Laboratory/ Public buildings and for-profit cooking; prewire for electric	Chapter 12.22	<a href="#">Ord. No. 2020-470A-C</a>
Los Gatos	All-Electric	12/17/2019	2/20/2020	<u>New</u> : All-electric (including ADUs); pre-wire for battery storage	N/A	N/A	Chapter 6.70.020	<a href="#">Ord. No. 2299</a>
Menlo Park	All-Electric	9/24/2019	12/11/2019	<u>New</u> : All-electric space/water heating and clothes dryers. Natural gas OK for cooktops/fireplaces; pre-wire for electric	<u>New</u> : All-electric	<u>New</u> : All-electric	<a href="#">Chapter 12.16</a>	<a href="#">Ord. No. 1057</a>
Millbrae	All-Electric	11/10/2020		<u>New</u> : All-electric space/water heating and clothes dryers. Natural gas OK for cooktops/fireplaces; pre-wire for electric	<u>New</u> : All-electric	<u>New</u> : Exception for Life Science/ Public buildings. For-profit cooking may appeal for exception; prewire for electric	Section 100.0	<a href="#">Ord. No. 2020-</a>
Morgan Hill	All-Electric	10/23/2019	N/A	<u>New</u> : All-electric	<u>New</u> : All-electric	<u>New</u> : All-electric	Chapter 15.63.40	<a href="#">Ord. No. 2306 N.S.</a>
Mountain View	All-Electric	10/22/2019	2/20/2020	<u>New SF and Duplexes</u> : Exception for cooktops/fireplaces; pre-wire for electric. <u>New LR MF</u> : Exception for-profit kitchen cooking equipment	<u>New</u> : exception for F, H, and L occupancies and for-profit kitchen cooking equipment	<u>New</u> : Exception for Fire, High-Hazard, and Laboratory occupancies and for-profit kitchen cooking equipment	Sec. 8.20	<a href="#">Ord. No. 17.19</a>



## 2019 Code Cycle - Locally Adopted All-Electric Only Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Scope			Municipal Code Link	Ordinance
				Single Family and Low-rise Multifamily	High-rise Multifamily	Nonresidential		
Oakland	All-Electric	12/1/2020		New	New	New		<a href="#">Ord. No.</a>
Ojai	All-Electric	11/10/2020		<u>New</u> : Exception for ADUs, pool/spa, for-profit kitchen cooking equipment	<u>New</u> : All-electric	<u>New</u> : Exception for-profit kitchen cooking equipment	Section 9-1.1002	<a href="#">Ord. No.</a>
Pacifica	All-Electric	11/25/2019	4/8/2020	<u>New</u> : Exception for ADUs; and cooktops/fireplaces; pre-wire for electric. <u>New</u> LR MF: Exception for-profit kitchen cooking equipment	<u>New</u> : Exception for cooktops/fireplaces; pre-wire for electric	<u>New</u> : Exception for Fire and Police occupancies and for-profit kitchen cooking equipment	Section 8-6.01	<a href="#">Ord. No. 852-CS</a>
Palo Alto	All-Electric	12/2/2019	2/20/2020	<u>New</u> : All-electric	<u>New</u> : All-electric <b>OR</b> > 5% compliance margin; electric-ready	<u>New</u> : All-electric <b>OR</b> Office & Retail: >12% compliance margin; Industrial/ Manufacturing + 0%; All other NR occupancies > 5% compliance margin; pre-wire for electric	16.17.80	<a href="#">Ord. No. 5485</a>
Redwood City	All-Electric	9/21/2020	12/9/2020	<u>New</u> : All-electric (excluding ADUs)	<u>New</u> : exception for Fire, High-Hazard, and Laboratory occupancies and for-profit kitchen cooking equipment; additional exceptions	<u>New</u> : exception for Fire, High-Hazard, and Laboratory occupancies and for-profit kitchen cooking equipment; additional exceptions	Section 9.249	<a href="#">Ord. No.</a>

## 2019 Code Cycle - Locally Adopted All-Electric Only Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Scope			Municipal Code Link	Ordinance
				Single Family and Low-rise Multifamily	High-rise Multifamily	Nonresidential		
Richmond	All-Electric	3/3/2020	6/10/2020	<u>New:</u> All-electric space/water heating and clothes dryers. Natural gas OK for cooktops/fireplaces; pre-wire for electric <u>Replace/Upgrade Equipment:</u> all-electric	<u>New:</u> All-electric	<u>New:</u> Exception for Fire/Police, Life Sciences, For-profit kitchen cooking equipment; pre-wire for electric	Chapter 6.02.100	<a href="#">Ord No. 06-20 NS</a>
San Francisco	All-Electric	11/17/2020		New	New	New	Section 106A	<a href="#">Ord. No.</a>
San Jose	All-Electric	9/17/2019	N/A	<u>New:</u> All-electric	N/A	N/A	Chapter 17.845	<a href="#">Ord No. 30330</a>
		12/1/2020	N/A	New	New	New	Chapter 17.845	<a href="#">Ord. No.</a>
San Mateo City	All-Electric	10/5/2020	12/9/2020	<u>New:</u> All-electric (including ADU's)	N/A	<u>New Office Buildings:</u> All-electric	Section 23.24	<a href="#">Ord. No. 2020-17</a>
San Mateo County	All-Electric	2/25/2020	9/9/2020	<u>New:</u> All-electric	<u>New:</u> All-electric	<u>New:</u> Exception for Laboratories, Emergency operations, and for-profit cooking (requires approval)	Section 9200	<a href="#">Ord No. 4824</a>
Santa Cruz	All-Electric	4/14/2020	N/A	<u>New:</u> All-electric	<u>New:</u> All-electric	<u>New:</u> All-electric	Chapter 6.100	<a href="#">Ord. No. 2020-06</a>
Santa Rosa	All-Electric	11/12/2019	2/20/2020	<u>New:</u> All-electric	N/A	N/A	Chapter 18-33.040	<a href="#">Ord. No. 2019-019</a>
Saratoga	All-Electric	12/4/2019	4/8/2020	<u>New:</u> All-electric space/water heating. Natural gas OK for cooktops/fireplaces/clothes dryer; pre-wire for electric	<u>New:</u> All-electric space/water heating; pre-wire for electric	<u>New:</u> All-electric space/water heating. Except public agency owned emergency centers; pre-wire for electric	Chapter 16.51.015	<a href="#">Ord. No. 366</a>

## 2019 Code Cycle - Locally Adopted All-Electric Only Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	CEC Approval Date	Scope			Municipal Code Link	Ordinance
				Single Family and Low-rise Multifamily	High-rise Multifamily	Nonresidential		
Sunnyvale	All-Electric	12/1/2020		<u>New</u> : All-electric	<u>New</u> : All-electric;	<u>New</u> : Exception for Fire, High-Hazard, Laboratory occupancies and for-profit kitchen cooking equipment; prewire for electric	Chapter 16.42	<a href="#">Ord. No. 3168-20</a>
Windsor	All-Electric	10/16/2019	2/20/2020	<u>New</u> : All-electric	N/A	N/A	Chapter 7.7.100	<a href="#">Ord. No. 2019-338</a>

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## 2019 Code Cycle - Locally Adopted Electric Vehicle Ordinances

Jurisdiction	Ord. Type	Council Adopted Date	Scope				Exceptions	Ordinance
			Single Family, Duplexes, and Townhouses	Multifamily	Nonresidential - Office	Nonresidential - Other		
Brisbane	EV	12/12/2019	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> Level 2 EV-Ready space per unit / min. 50% required guest spaces EVCS spaces	<u>New Office:</u> >10 spaces- 15% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready + 25% Level 1 EV-Capable	<u>New Other NR:</u> >10 spaces- 15% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready		<a href="#">Ord. 643</a>
Burlingame	EV	8/17/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> 10% of units with Level 2 EV-Ready space ; remaining units with Level 1 EV-Ready	<u>New Office:</u> >10 spaces- 10% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + 5 % Level 1 EV-Ready	ADU/JADU without parking facilities	<a href="#">Ord. 1979/1980/1981</a>
Carlsbad	EV	3/12/2019	<u>New:</u> Level 2 EV-Ready space per unit <u>Add/Alts:</u> >\$60k <b>OR</b> panel upgrade	<u>New:</u> 10% of units with Level 2 EV-Capable space <b>AND</b> 50% of those spaces installed with EVSE <u>Add/Alts:</u> >\$200k	<u>New:</u> 10% of units with Level 2 EV-Capable space <b>AND</b> 50% of those spaces installed with EVSE		ADU/JADU without parking facilities / utility service cost > \$400	Ord. CS-349
Cupertino	EV	1/21/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> < 20 units: Level 2 EV-Ready space per unit ; remaining spaces Level 1 EV-Ready / > 20 units: 25% of spaces Level 2 EV-Ready	<u>New Office:</u> >10 spaces- 20% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready + 30% Level 1 EV-Capable	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + 5 % Level 1 EV-Ready	ADU/JADU without parking facilities	<a href="#">Ord. 19-2193</a>
Davis	EV	4/23/2019	<u>New:</u> Level 2 EV-Ready space per unit	<u>New:</u> < 20 units: Level 1 charging at 5% of spaces / >20 units: Level 2 charging at 1% of spaces (min. 1)				<a href="#">Ord. 2554</a>
East Palo Alto	EV	10/20/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> 10% of units with Level 2 charging + 90% of units with Level 1 charging. Outlets may be shared between two units.	<u>New:</u> Office: >10 spaces- 10% equipped with Level 2 EVCS + 10% Level 1 EV-Ready + 30 % EV-Capable	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + 5 % Level 1 EV-Ready	ADU/JADU without parking facilities + MF: utility service cost > \$4500	Ord. 07-2020
Encinitas	EV	11/13/2019	<u>New:</u> Level 2 EV-Ready space per unit	<u>New:</u> EVSE charging at 15% of spaces	<u>New NR + Hotel/Motel:</u> EVSE charging at 8% of spaces <u>Add/Alts:</u> > 10k sq. ft.		ADU/JADU without parking facilities / utility service cost > \$400 per unit	Ord. 2019-22
Hayward	EV	3/17/2020	<u>New:</u> Two Level 2 EV-Ready spaces for each unit (one Level 2 if only 1 space exists)	<u>New:</u> < 20 units: Level 2 EV-Ready space per unit/ > 20 units: 75% of spaces Level 2 EV-Ready ; remaining units Level 2 EV-Capable	<u>New:</u> Office: >10 spaces- 20% equipped with Level 2 EVCS + 30 % Level 2 EV-Ready Capable	<u>New:</u> Other NR: >10 spaces- 15% equipped with Level 2 EVCS	ADU/JADU without parking facilities	<a href="#">Ord. 20-05</a>
Los Altos	EV	10/27/2020	<u>New:</u> Level 2 EV-Ready spaces for each unit (Two Level 2 if multiple spaces exist)	<u>New:</u> < 20 units: Level 2 EV-Ready space per unit/ > 20 units: 25% of spaces Level 2 EV-Ready + remaining spaces Level 1 EV-Ready	<u>New:</u> Office: >10 spaces- 10% equipped with Level 2 EVCS + 30 % Level 2 EV-Ready Capable + 10% Level 1 EV-Ready	<u>New:</u> Other NR: >10 spaces- 6% equipped with Level 2 EVCS + 5% Level 1 EV-Ready	ADU/JADU without parking facilities	<a href="#">Ord. 2020-471</a>

**2019 Code Cycle - Locally Adopted Electric Vehicle Ordinances**

Jurisdiction	Ord. Type	Council Adopted Date	Scope				Exceptions	Ordinance
			Single Family, Duplexes, and Townhouses	Multifamily	Nonresidential - Office	Nonresidential - Other		
Marin County	EV	10/8/2019	<u>New:</u> Level 2 EV-Ready space per unit <u>Add/Alts:</u> Panel upgrade must include Level 2-Ready circuit	<u>New:</u> Level 2 EV-Ready space per dwelling unit <u>Add/Alts:</u> Panel upgrade must include capacity for 20% Level 2 EV-Capable spaces	<u>New:</u> 10% of spaces to be Level 2 EV-Ready + remaining spaces EV-Capable <b>OR</b> 20% spaces Level 2 EV-Ready + EVCS in 5% spaces (min. 2) <u>Add/Alts:</u> Panel upgrade must include capacity for 20% Level 2 EV-Capable		ADU/JADU without parking facilities	<a href="#">Ord. 3712</a>
Millbrae	EV	11/10/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> < 20 units: Level 2 EV-Ready space per unit / > 20 units: 25% of spaces Level 2 EV-Ready + remaining spaces Level 1 EV-Ready / Affordable MF: 10% spaces Level 2	<u>New Office:</u> >10 spaces- 10% equipped with Level 2 EVCS + additional 10 % Level 1 EV-Ready + additional 30% EV-Capable	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + additional 5 % Level 1 EV-Ready	ADU/JADU without parking facilities + MF: utility service cost > \$4500	Ord. No. 2020-
Mill Valley	EV	11/18/2019	<u>New:</u> Level 2 EV-Ready per unit <u>Add/Alts:</u> Panel upgrade must include Level 2-Ready circuit	<u>New:</u> One Level 2 EV-Ready space per dwelling unit	<u>Add/Alts:</u> Panel upgrade must include capacity for 20% Level 2 EV-Capable		ADU/JADU without parking facilities	<a href="#">Ord. 1313</a>
Milpitas	EV	12/3/2019	<u>New:</u> Level 1 EV-Ready circuit + Level 2 EV-Ready circuit per unit	<u>New:</u> < 20 units: Level 2 charging at 15% of spaces + Level 1 EV-Capable at 35% of spaces / >20 units: Level 2 charging at 20% of spaces + Level 1 EV-Capable at 35% of spaces	<u>New Office:</u> 5% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready + 20% Level 2 EV-Capable	<u>New Other NR:</u> >10 spaces- 4% equipped with Level 2 EVCS + 3 % Level 1 EV-Ready; >100 spaces- 80kW fast charger per 100	MF Affordable Housing Projects	<a href="#">Ord. 65 148</a>
Mountain View	EV	11/12/2019	<u>New:</u> Level 1 EV-Ready circuit + Level 2 EV-Ready circuit per unit	<u>New:</u> Level 2 charging at 15% of spaces + remaining spaces EV-Ready + Level 3 EVCS for every 100 spaces	<u>New Mixed Use:</u> Level 2 charging at 15% of spaces + remaining spaces EV-Ready + Level 3 EVCS for every 100 spaces <u>New Commercial/Hotel/Motel :</u> < 10 spaces- Level 2 EVCS + EV-Ready remaining spaces / >10 spaces - 15% equipped with Level 2 EVCS + EV-Ready remaining spaces / >100 spaces - Level 3 DC EVCS			<a href="#">Ord. 17.19</a>
Redwood City	EV	9/21/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> <20 units- Level 2 EV-Ready space per unit ; remaining spaces Level 1 EV-Ready / >20 units- 25% of spaces Level 2 EV-Ready	<u>New Office:</u> >10 spaces- 10% equipped with Level 2 EVCS + additional 10 % Level 1 EV-Ready + additional 30% EV-Capable	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + additional 5 % Level 1 EV-Ready	ADU/JADU without parking facilities	<a href="#">Ord. No.</a>

**2019 Code Cycle - Locally Adopted Electric Vehicle Ordinances**

Jurisdiction	Ord. Type	Council Adopted Date	Scope				Exceptions	Ordinance
			Single Family, Duplexes, and Townhouses	Multifamily	Nonresidential - Office	Nonresidential - Other		
San Anselmo	EV	4/14/2020	<u>New:</u> Level 2 EV-Ready per unit <u>Add/Alts:</u> Panel upgrade must include Level 2-Ready circuit	<u>New:</u> Level 2 EV-Ready space per dwelling unit <u>Add/Alts:</u> Panel upgrade must include capacity for 20% Level 2 EV-Capable spaces	<u>New:</u> 10% of spaces to be Level 2 EV-Ready + remaining spaces EV-Capable <b>OR</b> 20% spaces Level 2 EV-Ready + EVCS in 5% spaces (min. 2) <u>Add/Alts:</u> Panel upgrade must include capacity for 20% Level 2 EV-Capable		ADU/JADU without parking facilities	<a href="#">Ord. 1145</a>
San Jose	EV	10/1/2019	<u>New:</u> Level 2 EV-Ready space per unit	<u>New:</u> EVSE charging at 10% of spaces + 20% of spaces EV-Ready + 70% EV-Capable	<u>New:</u> EVSE charging at 10% of spaces + 40% EV-Capable <u>New Hotel/Motel:</u> EVSE charging at 10% of spaces + 50% EV-Capable		ADU/JADU without parking facilities + Detached garages	<a href="#">Ord. 30311</a>
San Mateo County	EV	2/25/2020	<u>New:</u> Level 2 EV-Ready space per unit + Level 1 EV-Ready circuit (Level 2 if only 1 space exists)	<u>New:</u> 10% of units with Level 2 EV-Ready space + 40% of units Level 1 EV-Ready spaces	<u>New Office:</u> >10 spaces- 10% equipped with Level 2 EVCS + 10 % Level 1 EV-Ready + 30% Level 1 EV-Capable	<u>New Other NR:</u> >10 spaces; 6% equipped with Level 2 EVCS + 5 % Level 1 EV-Ready	ADU/JADU without parking facilities + <u>ME:</u> utility service cost > \$4500	<a href="#">Ord. 4824</a>
Santa Monica	EV	4/28/2020	<u>New:</u> Level 2 EV-Ready space per unit	<u>New:</u> EVSE charging at 10% of spaces + 20% of spaces EV-Ready + 70% EV-Capable	<u>New Office:</u> EVSE charging at 10% of spaces + 20% EV-Ready + 30% EV-Capable <u>New Hotel/Motel:</u> EVSE charging at 10% of spaces + 30% EV-Capable	<u>New Other NR:</u> EVSE charging at 10% of spaces + 30% EV-Capable	ADU/JADU without parking facilities / utility service cost > \$400 per unit	<a href="#">Ord. 2634</a>
Sunnyvale	EV	12/1/2020	<u>New:</u> Level 2 EV-Ready + Level 1 EV-Ready space per unit (Level 2 if only 1 space exists)	<u>New:</u> < 20 units: Level 2 EV-Ready space per unit / > 20 units: 25% of spaces Level 2 EV-Ready + remaining spaces Level 1 EV-Ready / Affordable MF: 10% spaces Level 2	<u>New Office:</u> >10 spaces- 10% equipped with Level 2 EVCS + additional 10 % Level 1 EV-Ready + additional 30% EV-Capable	<u>New Other NR:</u> >10 spaces- 6% equipped with Level 2 EVCS + additional 5 % Level 1 EV-Ready / >100 spaces - Level 3 DC EVCS	ADU/JADU without parking facilities	<a href="#">Ord. No. 3168-20</a>

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